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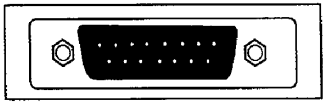
Introduction

This Transceiver is provided to connect DTE (Data Terminal Equipment) equipped with a AUI port to 10BASE-T Ethernet Local Area Network in a simple way and also supplied with a SQE switch (Heartbeat Function) for simple network configuration.

Key Features

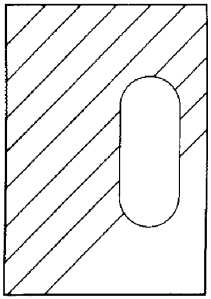
- IEEE 802.3 10BASE-T compliancy (10Mbps, CSMA/CD)
- Four LEDs to indicate Receive, Transmission, Collision, and Link
- SQE enable/disable switch

The Panel



AUI Male Connector

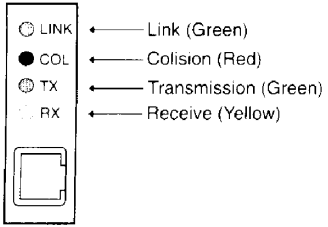
You can connect to any DTE equipped with a AUI port with the Transceiver via this AUI Connector.



SQE (Signal Quality Error) Switch

This Transceiver provides a self-test function known as "Heartbeat" to detect collision circuitry in operation. Normally the SQE switch is set to "OFF". But ensure to set to "OFF" when connecting to IEEE802.3 Repeater or IEEE 802.3 Hub.

LED Indicators



1. **LINK (Green)**
   This LED indicates the state of the data link. The LED remains on when the connection is okey.
2. **COL (Red)**
   This LED blinks when the transceiver detects a collision on the network.
3. **TX (Green)**
   The LED blinks to indicate data is being transmitted on the segment.
4. **RX (Yellow)**
   The LED blinks to indicate data is being received.

Installation

This section will guide you to use the device properly. To establish such connections:

Step 1

Make sure the power to your workstation is off to avoid damage to both the workstation and the network interface transceiver.

Step 2

Make sure that there is no activity on the network.

Step 3

Plug one end of the UTP cable into the available 10BASE-T transceiver port.

Step 4

Plug transceiver unit onto 15 pin AUI interface connector on rear of workstation. Restart your workstation and now the station should be connected to the network.

Federal Communications Commission Statement

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. This equipment has been tested and found to comply with the limits for a class A computing device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when operated in a commercial environment. Operation of this equipment in a residential area is likely to cause interference, in which case the user, at his own expense, will be required to take whatever measures are necessary to correct the interference.

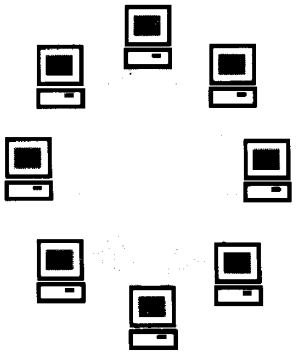
CE Declaration of conformity :

This equipment complies with the requirements relating to electromagnetic compatibility, EN 55022 class A for ITE and EN 50082-1. This meets the essential protection requirements of the European Council Directive 89/336/EEC on the approximation of the laws of the Member States relating to electromagnetic compatibility.

ISSUE NO.: UM-NE201T-00

Ethernet Transceiver

USER'S GUIDE



For the Ethernet 10BASE-T Transceiver